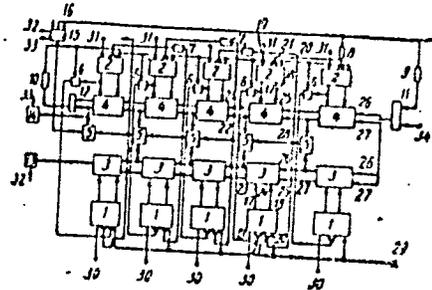


AP6025654

the register for the first number.

1--flip-flops in the register for the first number; 2--flip-flops in the register for the second number; 3--first mod 2 adder; 4--second mod 2 adder; 5--carry circuit; 6--diode; 7-10--first, second, third and fourth delay lines respectively; 11 and 12--first and second collector circuits; 13 and 14--first and second monitor circuits; 15--circuit for sign determination, cyclic carry and digital network overflow check; 16--cyclic carry output; 17 and 18--direct and inverse flip-flop outputs; 19-21--flip-flop set, reset and counter terminals respectively; 22 and 23--direct and inverse outputs of mod 2 adder; 24 and 25--first direct (inverse) adder input; 26 and 27--second direct (inverse) adder input; 28--carry circuit output; 29--reset terminal of flip-flops for the first number; 30--terminals for recording in the register for the second number; 31--terminals for recording in the register for the first number; 32 and 33--input terminals for the sign digits of the first and second numbers; 34--control input.



SUB CODE: 09/ SUBM DATE: 03Jul65

Card 3/3

LYSENKO, N.P.; PINSKER, M.I.; BERGEL'SON, N.B.; GUREVICH, M.S., red.;
MORSKOY, K.L., red. izd-va.; STEPANOVA, E.S., tekhn. red.

[Technical and economic advantages of a consolidated territorial
building organization; practices of the Main Administration for
Housing and Public Construction in the City of Kiev] Tekhniko-
ekonomicheskipepreimushchestva ukрупnennoi territorial'noi
stroitel'noi organizatsii; na opyta Glavkievstroia. Moskva, Gos.
izd-vo lit-ry po stroit., arkhit.i stroitel'nykh materialam, 1958. 58 p.
(MIRA 11:12)

(Kiev--Construction industry)

BERGEL'SON, S.D.

Analyzing the title of the musical composition "Maur hindi."
Dokl. AN Azerb.SSR 13 no.5:587-589 '57. (MLRA 10:7)

1. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR
A.O. Makovel'skim.

(Music, Azerbaijani)

BERGEN, R.I., inzh.

Gluing concrete and reinforced-concrete elements with epoxy resins.
Transp. stroi. 13 no.7:60-61 JI '63. (MIRA 16:9)
(Epoxy resins)

BERGEN, N.J., inzh.

Cemented thin-walled reinforced concrete bridges. Avt. dor.
27 no.7:22-23 J1 '64. (MIRA 17:12)

06526-06 W/P(I)/E/WI(M)/I/EWP(V) RM/NN

ACC NR: AP6017409

SOURCE CODE: UR/0097/65/000/006/0024/0028

AUTHOR: Bergen, R. I. (Engineer)

ORG: none

TITLE: Endurance and creep of glued reinforced-concrete joints

SOURCE: Beton i zhelezobeton, no. 6, 1965, 24-28

TOPIC TAGS: reinforced concrete, creep, concrete, endurance test, plasticizer

ABSTRACT: The endurance limit for breakage of glued reinforced concrete joints is about 50 kg/cm², for a cycle amplitude of $e = 0.5$.

In the elastic stage of operation, the bent elements withstand 2 million cycles, while in the crack forming stage for $e = 0.4$, the endurance limit of the joint is 45 kg/cm².

The endurance limit of a glued joint may be raised by improving the properties of the cement, using "internal" plasticizers (polyesters, thiokol).

In prolonged loading, the glued joints show creep that is a factor of 1.6 - 2 less than the creep of concrete with an age of one year, and is attenuating in nature.

In structures that are bent, the creep of the glue produces redistribution of the internal stresses, and a reduction in rigidity of the beam by a factor of 1.6. Orig. art. has: 7 figures and 2 tables. [JPRS]

SUB CODE: 11, 20 / SUEN DATE: none / ORIG REF: 002 / OTH REF: 002

Card 1/1

UDC: 691.328.017.539.374

37
B

2

ACC NR: AT6025063

SOURCE CODE: UR/3204/65/000/001/0111/0116

AUTHOR: Berger, A. R.; Garibashvili, D. I.; Kakhidze, G. P.; Kakauridze, D. B.; Chikovani, G. Yc.

ORG: none

TITLE: Multichannel system for the ²⁵analysis of pulses from an ionization calorimeter

SOURCE: AN GruzSSR. Institut fiziki. Fizika chastits vysokikh energii, no. 1, 1965, 111-116

TOPIC TAGS: calorimeter, ionization chamber, multichannel analyzer, magnetic core storage, transistorized amplifier

ABSTRACT: The authors describe a multichannel system capable of reliably handling the signal from the approximately five hundred channels of the Tskhra-tskaro ionization calorimeter. To increase the reliability, the number of vacuum tubes has been reduced to a minimum of three per channel, which is approximately half that used in similar installations. Each channel consists of a preamplifier, final amplifier, gating circuit, and magnetic memory. All channels feed into a common commutator and regulating unit. The remaining circuit elements are transistors and magnetic core devices. The magnetic core devices are used in the memory. A block diagram of the system and detailed descriptions of the preamplifier, final amplifier, gating circuits, and memory cells are given. Orig. art. has: 5 figures and 1 formula.

SUB CODE: 20, 09/ SUBM DATE: 00

Card 1/1

BERGER, A.R.; GARIBASHVILI, D.I.; KAKHIDZE, G.P.; KAKAURIDZE, D.B.;
CHIKOVANI, G.Ye.

Multichannel system for analyzing pulses from an ionization
calorimeter. Fiz. chast. vys. energ. no.1:111-116 '65.
(MIRA 18:12)

BERGER, A.S.; LILEYEV, I.S.

Kinetics of the reaction of β -dicalcium silicate with caustic
soda solutions. Izv.Sib.otd.AN SSSR no.2:46-53 '59.
(MIRA 12:7)

1. Zapadno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Calcium silicates) (Sodium hydroxide)

BERGER, A. S.

Cand Chem Sci - (diss) "Reaction of β -dicalcium silicate with alkaline and with aluminate solutions." Novosibirsk, 1961. 13 pp; (Academy of Sciences USSR, Siberian Division, Joint Academic Council for Chemical Sciences); 220 copies; price not given; (KL, 6-61 sup, 197)

BERGER, A.S.

Phase state of products from the reaction of β -bicalcium silicate
and soda-free solutions of sodium aluminate. *Izv.Sib.otd.AN SSSR*
no.1:52-64 '61. (MIRA 14:2)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Calcium silicate) (Sodium aluminate)

BERGER, A.S., kand.khim.nauk; MALYSHEV, M.F., kand.tekhn.nauk

More on the interaction of dicalcium silicate with caustic soda
solutions. TSvet. met. 35 no.1:86-90 Ja '62. (MIRA 16:7)
(Chemistry, Metallurgic) (Alumina)

BERGER, A.S.

Composition of the solid phase and the role of sodium in the
 $\beta = 2\text{CaO}\cdot\text{SiO}_2$ interaction with sodium aluminate solutions.
TSvet. met. 36 no.10:50-56 0 '63. (MIRA 16:12)

BERGER, A.S.; TOKAREVA, M.D.

Phase composition of products of the interaction of β -dicalcium silicate with soda-aluminate solutions. Izv. Sib. otd. AN SSSR no.9:71-79 '62. (MIRA 17:8)

1. Khimiko-metallurgicheskly institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

BERGER, A.S.

Formation of hydrogarnets in the reaction of / dicalcium
silicate with aluminate solutions. Izv. SO AN SSSR no.7
Ser. Khim. nauk no.2:126-133 '65.

(MIRA 18:12)

1. Institut fiziko-khimicheskikh osnov Sibirskogo otdeleniya
AN SSSR, Novosibirsk. Submitted August 25, 1964.

L 33115-66

ACC NR: AP6024083

SOURCE CODE: UR/0144/66/000/002/0235/0236

AUTHOR: Zav'yalov, A. S.; Got'man, A. A.; Molchanov, V. D.; Krasnyuk, N. P.;
Agranovskiy, K. Yu.; Berger, A. Ye.; Greyer, L. K.; Youakov, V. P.; Miller, Ye. V.;
Pyatman, K. I.; Abryutin, V. N.; Gubanov, V. V.; Oranskly, M. I.; Yevseyev, M. Ye.;
MorKln, G. B.; Sinol'nikov, Ye. M.; Avilov-Karnauldiov, B. N.; Bogush, A. G.;
Nolyayov, I. P.; Pokker, I. I.; Chernyavskiy, F. I.

ORG: none

TITLE: O. B. Bron (on his 70th birthday)

46
B

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 235-236

TOPIC TAGS: electric engineering personnel, circuit breaker

ABSTRACT: Osip Borisovich Bron was born in 1896 in Klintsi. In 1920, he graduated from the physics-math faculty of Khap'kov Technological Institute. He became a professor in 1930. He defended his doctor's thesis in 1940. During the second world war, he was in the navy. After demobilization in 1950, Engineer Colonel Bron went to work teaching at the Leningrad Industrial Correspondence School. He became the head of the Chair of Theoretical Bases of Electrical Technology in 1958. He is closely associated with scientific and development work, and has cooperated closely in this area with the Leningrad "Elektrosila" plant since 1946. His work has been in the areas of spark-damping and high-power circuit breakers. He has published over 140 scientific works and 19 inventions. [JPRS]

SUB CODE: 05, 09 / SUBM DATE: none

Card 1/1

[Handwritten mark]

0015

1617

YAKUBOVSKIY, V. Ya. (Eng.); BERGER, Prof. A. Ya.
CHERNYAVSKIY, Docent F. I.; ZAVALISHIN, Dr. D. A.

Electric Machinery - Testing

L. M. Pyotrovskiy and Ye. A. Pal's book "Testing electrical machines." Prof. A. Ya. Berger, Docent F. I. Chernyavskiy, Eng. V. Ya. Yakubovskiy, Dr. D. A. Zavalishin, and others. Elektrichestvo No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952 UNCLASSIFIED

BERGER, A. Ya., Prof

USSR/Electricity - Operator Calculus Engineering Education

Jul 52

"Discussion: On V. Yu. Lomonosov's Article 'Operator Calculus In Electrical Engineering Education'," Prof G. A. Sisoyan, Dr Tech Sci, Georgian Polytech Inst imeni Kirov; Prof G. S. Aronzon, Dr Tech Sci, Moscow Automobile Highway Inst; Cand Tech Sci M. Yu Shukhatovich, Inst of Mining; Prof A. Ya. Berger, Leningrad Elec Eng Inst of Commun; Doc A. A. Yanko-Trinititskiy, Cand Tech Sci, Ural Polytech Inst.

"Elektrichestvo" No 7, pp 87-91

Above authors, continuing discussions of Lomonosov's article (article and 1st part of discussion appeared in "Elektrichestvo," No 1, 1952), generally disagree with Lomonosov's position that operator calculus is unimportant in electrical engineering education.

PA 237T37

BERGER, A.Ya., professor.

On the term "Reactance motor." Elektrichestvo no.5:79 My '53. (MLRA 6:6)
(Electric motors)

ORLOVSKIY, A.V., professor; LYUTER, R.A., doktor tekhnicheskikh nauk; KAZOVSKIY, Ye.Ya., kandidat tekhnicheskikh nauk; YAKOBSON, El'mar, inzhener; ANTOPOL'SKIY, V.M., inzhener; PUKHOV, G.Ye., doktor tekhnicheskikh nauk; FYURSTENBERIN, A.I., inzhener; HERGER, A.Ya., professor (Leningrad); TSVERRAVA, G.K., inzhener; KRAYNIY, K.I., inzhener (g.Kotovsk, Tambovskoy obl.); BELOV, V.N., inzhener (g.Ul'yanovsk).

Correspondence conference of readers of "Elektrichestvo" Elektrichestvo
no.8:89-91 Ag '53. (MLRA 6:8)

1. Kiyevskiy politekhnicheskiy institut (for Orlovskiy).
 2. Zavod "Elektrosila" (for Lyuter and Kazovskiy).
 3. Estonkommunenergo (for Yakobson).
 4. Saratovskiy industrial'nyy tekhnikum (for Antopol'skiy).
 5. Tomskiy politekhnicheskiy institut imeni Kirova (for Pukhov).
 6. Tikhvinskiy glinozemnyy zavod (for TSverava).
- (Electric engineering--Periodicals)

BERGER, A.Ya., professor (Leningrad); KAMBNETSKIY, M.O., inzhener
(Leningrad).

P.P.Kopniaev's role in the activities of the Russian school of
electrical engineering. Elektrichestvo no.1:71-72 Ja '54.

(Kopniaev, Pavel Petrovich, 1867-1932) (Electric engineering)
(MLRA 7:2)

BERGER, A.Ya., professor; SHEPKIND, M.D., inzhener; SOLDATCHENKO, G.F.,
inzhener.

Increasing the capacity coefficient of electrical installations in
industrial enterprises. Elektrichestvo no.1:73-76 Ja '54.
(MLRA 7:2)

1. Kemerovenergo (for Shefkind). 2. Chelyabinskugol' (for Soldat-
chenko).
(Electric engineering)

IVANOV, Ye.A., dotsent, kandidat tekhnicheskikh nauk; BERGER, A.Ye.,
professor (Leningrad); YUMATOV, A.A., inzhener (G. Kronshadt);
ANTIK, I.V., inzhener; TSVERAVA, G.K., inzhener (Boksitogorsk).

Reviewing scientific and technical terminology. Elektrichestvo
no.4:69-70 Ap '54. (MLRA 7:5)

1. Leningradskiy institut inzhenerov zheleznno-dorozhnogo transporta
(for Ivanov). 2. Gosenergoizdat (for Antik).
(Electric engineering—Terminology)

BERGER, A. Ya.

BERGER, A. Ya. -- "The Problem of Double Windings in Turbogenerators."
Min Higher Education USSR. Leningrad Correspondence Industrial Inst. Leningrad,
1955. (Dissertation for the Degree of Doctor in Technical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

VASHURA, B.F.; STUFEL', F.A.; SHTURMAN, G.I.; BERGER, A.Ya.; LYUTER,
R.A.; YEREMEYEV, A.S.

Professor O.B. Bron. Elektrichestvo no.5:94 My '56. (MLRA 9:8)
(Bron, Osip Borisovich, 1896-)

BERGER, A. Ya., professor.

Starting synchronous or asynchronous motors from one of two parallel windings at nominal voltage. Vest. elektroprom. 27 no. 9: 51-54 S '56. (MLRA 10:9)

1. Zavod "Elektrosila" imeni S.M. Kirova.
(Electric motors)

DIKGER A.Ya.

BRON, O.B.; BEL'KIND, L.D.; SHTURMAN, G.I.; KAMENEVA, V.A.; BERGER, A.Ya.;
CHERNICHKIN, D.S.; TISHCHENKO, N.A.; BORISKO, N.I.; BERTINOV,
A.I.; SINEL'NIKOV, Ye.M.

Pavel Petrovich Kopniaev; 25th anniversary of his death. Elektrichestvo no. 5.92 № 157.
(Minsk 1910)
(Kopniaev, Pavel Petrovich, 1867-1911)

BERGER, A.Ya.

Reply to Engineer IA.I.Dodin. Vest.elektroprom. 28 no:12:74-75
D '57. (MIRA 10:12)

(Electric motors)

BERGER, A.Ya., Doc Tech Sci--(diss) "The problem of double coiling in turbo-generators." Len, 1958. 8 pp (Northwest Correspondence Polytech Inst), 150 copies (KL,44-58, 121)

- 27 -

BERGER, Aleksandr Yakovlevich, kand.tekhn.nauk, prof.

Short-circuit behavior of a double-coiled turbogenerator.
Izv. vys. ucheb. zav.; elektromekh. 1 no.6:31-38 '58.

(MIRA 11:9)

1. Zaveduyushchiy kafedroy elektricheskikh mashin i apparatov
Severo-Zapadnogo zachnogo politekhnicheskogo instituta.
(Turbogenerators)

AUTHOR: Berger, Aleksandr Yakovlevich, SOV/144-58-7-3/15
Head of the Chair, Cand. Tech. Sci., Professor,
TITLE: Voltage Diagram of a Two-Winding Turbogenerator
(Diagramma napryazheniy dvukhobmotochnogo turbogeneratora)
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Elektromekhanika, 1958, Nr 7, pp 26-30 (USSR)

ABSTRACT: On the basis of a general equivalent circuit of a two-winding turbogenerator, the author determined the voltage between the terminals of both windings, assuming thereby that the load characteristics are equal for both and also that the windings have been satisfactorily interposed. A vector diagram is included (Fig 2) of the voltages of a two-winding turbogenerator with both windings connected to the same section of the busbars, for the general case when the e.m.f. and the voltages are shifted in phase and the windings are not loaded equally, both as regards the magnitude and the character of the load. In the latter case the author calculated the relative increase in the total losses (of the entire machine) as well as the loss increase for the windings in which the losses have increased, as compared to the losses under normal conditions, i.e. when there is no

Card 1/2

SOV/144-58-7-3/15

Voltage Diagram of a Two-Winding Turbogenerator
shift between the vectors of the individual voltages.
For a concrete example of a 100 mW, 3000 r.p.m. turbo-
generator, it is shown that the coefficients of loss
increase may reach considerable magnitudes.
The work was performed at the North-Western (Severo-
Zapadnyy) Polytechnical Institute.
There are 2 figures and 5 references, of which 4 are
Soviet and 1 English.

SUBMITTED: September 22, 1957

ASSOCIATION: Kafedra elektricheskikh mashin i apparatov Severo-
Zapadnogo zaobnogo politekhnicheskogo instituta
(Chair of Electrical Machinery and Apparatus, North-
Western Polytechnical Correspondence Institute)

Card 2/2

AUTHOR: Berger, A. Ya. (Professor)

SOV/110-58-8-18/26

TITLE: ~~Unit Capacities~~ of the Soviet Series of Turbo-generators
(O yedinichnykh moshchnostyakh serii turbo-generatorov
SSSR)

PERIODICAL: Vestnik Elektromyshlennosti, 1958, Nr 8, p 64 (USSR)

ABSTRACT: The Soviet and International Electrotechnical Commission (IEC) proposals for standard series of air- and hydrogen-cooled alternators are compared and briefly criticised. The article recommends a series of air-cooled alternators with the following megawatt ratings: 0.75 1.5 3.0 6.0 12 25 and 50; and a hydrogen-cooled series with megawatt ratings of: 30 60 100 200 (300) and 400. Forced cooling might give outputs of 125 250 500 MW.
There is 1 table.

1. Generators--Operation
2. Generators--Temperature factors

Card 1/1

AUTHORS: Berger, A.Ya., Candidate of Technical Sciences, Professor SOV/144-58-10-6/17
Gavrilova, N.G., Assistant

TITLE: The Optimum Length of Air Gap Under the Main Poles of Direct Current Machines (Ob optimal'noy velichine vozdušnogo zazora pod glavnymi polyusami mashiny postoyannogo toka)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 10, pp 52-64 (USSR)

ABSTRACT: Surprisingly little attention has been paid to selection of the air gap length in d.c. machines. The object of this article is to analyse the influence of the air gap length on the main properties of the d.c. machine to review the existing recommendations of various authors and to suggest criteria for selection of the air gap length and determination of its best value. Recommended air gap lengths for machines without compensating windings are first considered, starting with Arnold's recommendation designed to ensure satisfactory commutation. Formula (2) given by Richter and others is used in the Elektrosila works, values of the factor k are given in Table 1. Three other

Card 1/4

The Optimum Length of Air Gap Under the Main Poles of Direct
Current Machines SOV/144-58-10-6/17

recommendations are also given. Recommendations for machines with compensating windings are then given particularly that of Kas'yanov, see Eq (6). Values of k in formula (2), recommended by various authors and used in actual machines are compared in Table 1, values of k , the air gap length and numerous other data for a number of motors manufactured by Elektrosila and also for the Siemens GM series are given in Tables 2, 3 and 4. It is shown that some of the formulae give air gap lengths very different from those actually used and that none of the authors takes into account all the factors that should be considered in selecting the length of air gap. Properties of a direct current machine that depend on the length of the air gap are then considered in turn, particularly: the weight of the field winding; the stray losses of the pole-piece surfaces; the amplification factor of the machine; the time constant of the machine; the noise; the speed and critical speed of the motor; and the greatest

Card 2/4

The Optimum Length of Air Gap Under the Main Poles of Direct Current
Machines

SOV/144-58-10-6/17

output that can be obtained from a machine of a given diameter. Certain criteria governing the best choice of air gap length for machines with compensating windings are then given. Eq (21) is obtained for the best air gap length determined from the criterion of minimum losses on excitation and on the pole piece surfaces. Eq (22) is obtained for the best air gap length from considerations of overall costs. It is concluded that for machines without compensating windings the air gap length is best selected by appropriate choice of the factor k in Eq (2). To a first approximation the value may be selected from Tables (1) and (2) but it is necessary to check that the voltage between neighbouring commutator bars is not too great. The method of doing this is briefly explained. For machines with compensating windings it is recommended to use Kas'yanov's formula (6) and to check it against the expressions for minimum loss and minimum overall cost. For high speed machines with relatively high losses on the pole piece surfaces, it is advisable to use formula (21) derived for the least cost.

Card 3/4

The Optimum Length of Air Gap Under the Main Poles of Direct Current
Machines

SOV/144-58-10-6/17

In using this formula it should be checked that the reduction in the losses is great enough and that it does not lead to excessive increase in size and weight of the machine. Numerical examples of calculation of optimum air gap length are given in an appendix. There are 2 figures, 4 tables and 11 references, 8 of which are Soviet and 3 German.

ASSOCIATION: Kafedra elektricheskikh Mashin i Apparatov Severo-Zapadnogo zaochnogo Politekhniceskogo Instituta (Chair of Electrical Machines and Apparatus, North West Correspondence Polytechnical Institute) (Barger) Leningradskiy Institut Aviatsionnogo Priborostroyeniya (The Leningrad Aviation Instrument Institute) (Gavrilova)

SUBMITTED: 4th June 1958

Card 4/4

9(2)

AUTHOR:

Berger, A.Ya., Professor

SOV/143-58-10-10/24

TITLE:

Individual Excitation Systems of Synchronous Generators

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1958, Nr 10, pp 73-79 (USSR)

ABSTRACT:

The author presents a classification of different individual excitation systems of synchronous generators. He compares these excitation systems with the centralized excitation which was used in the USSR only for the Volkhovskaya and the Nizhnesvirskaya GES. The author describes briefly the different individual excitation systems and presents a summary in a table. There are three main categories. A) The independent excitation systems are divided into two groups. These are generators having a) no exciter or excitation winding, using permanent magnets instead, b) shaft-mounted exciters with excitation windings. The latter are divided into two sub-groups, having stator excitation (induction generators) or rotor excitation, which is classified

Card 1/2

Individual Excitation Systems of Synchronous Generators SOV/143-58-10-10/24

in direct, indirect and compound excitation. B) The self-excitation system consist in a) generators using rectified stator current (mercury or disk-type rectifiers) and b) generators having a separate stator winding for excitation using mechanical rectifiers. C) Excitation systems fed from buses are classified in three groups, having excitation windings in a) the rotor, b) the stator, or c) having no excitation windings at all (special synchronous motors, capacitance motors, etc). The author expresses his gratitude to the honored scientist R.A. Lyuter for his statements concerning the table of excitation systems. There are 5 circuit diagrams, 1 table and 21 references, 15 of which are Soviet, 1 English, 3 German and 2 Polish.

ASSOCIATION: Severo-Zapadnyy zaachnyy politekhnicheskii institut (Northwestern Polytechnic Correspondence Institute) Kafedra elektricheskikh mashin i apparatov (Chair of Electrical Machines and Devices)
June 7, 1958

SUBMITTED:
Card 2/2

BERGER, A.Ya., prof.

Increasing the economy and reliability of the Soviet turbo-generator series (All-Union State Standard 533-51). Izv.vys. ucheb.zav.; energ. 2 no.8:4-10 Ag '59. (MIRA 13:2)

1. Severo-zapadnyy zaachnyy politekhnicheskiy institut.
Predstavlena nauchno-tekhnicheskoy konferentsiyey.
(Turbogenerators)

BERGER, A.

The air gap of an electric motor, its third main dimension. p. 510.

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkého strojírenství a Československé
vědecká technická společnost pro elektrotechniku při Československé aka-
demii věd)
Praha, Czechoslovakia, Vol. 48, No. 10, Oct. 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959.
Uncl.

BERGER, A.Ya., prof.

More about the Soviet turbogenerator series. Izv.vys.ucheb.
zav.; energ. 3 no.3:26-30 Mr '60. (MIRA 13:3)

1. Severo-zapadnyy zaachnyy politekhnicheskiy institut.
Predstavlena kafedroy elektricheskikh mashin.
(Turbogenerators)

BERGER, Aleksandr Yakovlevich, kand.tekhn.nauk, prof.

Efficiency limit for increasing the load of electric machines.
Izv. vys. ucheb. zav.; elektromekh. 3 no.12:46-49 '60.

(MIRA 14:5)

1. Zaveduyushchiy kafedroy elektricheskikh mashin i apparatov
Severo-zapadnogo zaochnogo politekhnicheskogo instituta.
(Electric machinery)

BERGER, A.Ya., prof.

In regard to K.F.Kostin's article "Development of hydrogenerator
building at the Ural Electric Machinery Plant." Elektrichestvo
no.6:94-95 Je '61. (MIRA 14:10)

(Electric machinery)
(Kostin, K.F.)

BERGER, A., prof.

Increasing the economic efficiency and reliability of turbo-
generators. NTO 3 no.11:22 N '61. (MIRA 14:10)

1. Pochetnyy chlen Nauchno-tehnicheskogo obshchestva energeticheskoy
promyshlennosti.
(Turbogenerators)

MILAKOV, M.Ye., inzh. (Gor'kiy); BERGER, A.Ya., prof. (Leningrad)

Principal trends in carrying out overall electrification. Elek-
trichestvo no.11:83-84 N '61. (MIRA 14:11)
(Electrification)

BERGER, A.Ya.

Development of the production of turbogenerators in the Soviet Union;
on the 40th anniversary of the State Commission for the Electrification
of Russia. Izv. vys. ucheb. zav.; elektromekh. 4 no. 1:3-7 '61.
(Turbogenerators) (MIRA 14:4)

BERGER, Al., prof.

Concerning IU.K. Breze's article "Static characteristics of a generator with parallel excitation feeding an inductive load." Izv. vys. ucheb. zav.; elektromekh. 4 no.12:117-118 '61. (MIRA 15:1)
(Electric generators) (Breze, IU.K.)

BERGER, Aleksandr Yakovlevich, kand. tekhn. nauk, prof.

Concerning the phase number of a short-circuited rotor of an asynchronous motor. Izv. vys. ucheb. zav.; elektromekh. 5
no. 12:1429-1430 '62. (MIRA 16:6)

1. Zaveduyushchiy kafedroy elektricheskikh mashin i apparatov
Severo-Zapadnogo zaochnogo politekhnicheskogo instituta
(Electric motors, Induction)

BERGER, Aleksandr Yakovlevich, kand.tekhn.nauk, prof.

Power efficiency and economics of a.c. machines. Izv. vys. ucheb.
zav.; elektromekh. 6 no.6:787 '63. (MIRA 16:9)

1. Zaveduyushchiy kafedroy elektricheskikh mashin i apparatov
Severo-Zapadnogo zaochnogo politekhnicheskogo instituta.
(Electric machinery--Alternating current)

BERGER, Aleksandr Yakovlevich, kand. tekhn. nauk, prof.

Some errors in the interpretations of the theory of electrical machines. Izv. vys. ucheb. zav.; elektromekh. 6 no.10:1235-1240 '63. (MIRA 17:1)

1. Zaveduyushchiy kafedroy elektricheskikh mashin in apparatov Severo-Zapadnogo zaochnogo politekhnicheskogo instituta.

BERGER, A.Ya., prof.

Concerning the phase number of the short-circuited rotor of an asynchronous motor. Vest. elektrom. 34 no.2:78 F '63.
(MIRA 16:2)

(Electric motors, Induction)

SHUYSKIY, V., prof.; BERGER, A.Ya., prof.; SOROKER, T.G., doktor tekhn.nauk,
prof.; KUZNETSOV, B.I., inzh.

Phase number of a short-circuited rotor. Elektrotehnika 34 no.12:74
D '63. (MIRA 17:1)

L 2967-66 BWT(d)/EKP(k)/EWP(1) JKT
ACCESSION NR: AP5026357

UR/0105/64/000/009/0093/0094

AUTHOR: Baluyev, V. K.; Grudinskiy, P. G.; Izyumov, N. M.; Kulebakin, V. S.;
Mirolyubov, N. N.; Sotakov, B. S.; Tsirlin, A. D.; Alekseyev, A. Ye.;
Bogoroditskiy, N. P.; Bergar, A. Ya.; Yavorskiy, V. N.; Nasledov, D. N.;
Vasil'yev, D. V.

28
27
B

TITLE: Nikolay Nikolayevich Lutsenko (Obituary)

SOURCE: Elektrichestvo, no. 9, 1964, 93-94

TOPIC TAGS: electric engineering personnel

ABSTRACT: Doctor of Technical Sciences, Major General in the Technical Engineering Service, Professor N. N. Lutsenko died in May of this year after a long and serious illness. He graduated from the Moscow Higher Technical Academy in 1914 and was closely associated with his specialty of electrical engineering till the end of his life. He spent the first years of his practical activity at the Academy working in the electrical engineering laboratory of K. A. Krug. After that he began his career in the Soviet Army as a lowly laboratory assistant in the radiotechnical laboratory and worked his way up over thirty years to be head of the

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L 2967-66

ACCESSION NR: AP5026357

Department of Electrical and Military Engineering. He wrote several books: "Alternating Currents," "The Theory of Alternating Currents," "Course in General Electrical Engineering," "Radio Engineering" and, together with his co-workers, problem books on "A Course in Alternating Currents" and "The Physical Principles of Electrical Engineering." He set up a number of special courses (military application of electric power, military portable electric power stations, electric equipment for armies, electrification of military engineering works, etc.) and also participated in many engineering projects with the Soviet Army. He has written many textbooks, monographs and articles on the theoretical and applied divisions of military electrical engineering. These include "Electric Circuits" and "Fundamentals for the Design and Planning of Mobile Electric Stations." Many of N. N. Lutsenko's students are working in sections of the Soviet Army, in scientific institutes and in colleges, and in industry. These students are continuing the work of their teacher, the founder of Soviet military electrical engineering. He received his professorship in 1938 and his doctorate in 1949. He has received the Order of Lenin, three "Red Banners," the Order of the "Red Star" and many medals. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 00

NO REF SCW: 000

Card 2/2

ENCL: 00

OTHER: 000

SUB CODE: EE

JPRS

L 5371-66 EMT(1)/EPA(s)-2

ACC NR: AP5024577

SOURCE CODE: UR/0292/65/000/009/0018/0019

AUTHOR: Berger, A. Ya. (Prof.); Vodyako, I. M. (Engr.); Fedorov, V. F. (Engr.); Fomenko, Yu. A. (Engr.); Oranskiy, M. I. (Candidate of technical sciences)

CRG: none

43
8

TITLE: Induction motors with protective enclosures

SOURCE: Elektrotehnika, no. 9, 1965, 18-19

TOPIC TAGS: induction motor 9.44.65

ABSTRACT: The induction motors whose stator winding -- and sometimes also the rotor -- are protected against corrosive medium by a nonmagnetic-material enclosure are considered. Simple formulas based on an equivalent circuit are offered which allow for the variation of motor characteristics due to the presence of the enclosure. Three induction motors (A51-4, A52-4, and A-42-2) equipped with 1Xn10N9T stainless-steel enclosures of different thicknesses and lengths were tested at 50 cps; also one of the motors was tested with a copper enclosure. These conclusions are reported: (1) The losses in the special-enclosure motors are higher and their specific power is lower than those of conventional motors; (2) Protective enclosures having

Card 1/2

UDC: 621.313.333.2

0901154

L 5371-66

ACC NR: AP5024577

minimum thickness and length and a high resistivity are recommended; (3) The protective enclosure has no effect on the motor short-circuit parameters. Orig. art. has: 1 figures, 5 formulas, and 4 tables. 8

SUB CODE: EE/ SUBM DATE: 00/ ORIG REF: 001/ OTH REF: 003

PC
Card 2/2

BERGER, Benedikt

Early oral symptoms in pellagra. Srpski arh. celok. lek.
83 no.12:1448-1450 Dec 55.

(PELLAGRA, manifest.
oral (Ser))
(MOUTH,
pellagra, (Ser))

ARSLANOVA, A.Kh.; BELYAKOV, V.D.; BERGER, B.I.; VASIL'YEV, A.S.; GAVRILOV,
N.A.; GEL'MAN, L.I.; KALUGIN, V.P.; KOROSTELEV, V.Ye.; KRAMER,
I.I.; MIKHAYLOVSKIY, V.T.; ROGOZIN, I.I.; SEREBRYAKOV, L.V.

Combined vaccination with chemical and living vaccines. Voen.-med.
zhur. no. 1:78-80 Ja '60. (MIRA 14:2)
(VACCINATION)

Berger, B. Ye.

BERGER, B. Ye.; SHNEYDER, Yu. I.

Friction welding of machine parts. Stan. i instr. 28 no. 9:40 S '57.
(MIRA 10:10)

(Welding)

BERGER, Don Iosifovich; KAMENSKIY, Ya.I., red.

[This is how our volunteer economists work] Tak rabotaiut
nashi ekonomisty-obshchestvenniki. Dnepropetrovsk, Dnepro-
petrovskoe knizhnoe izd-vo, 1964. 38 p. (MIRA 18:7)

PROKOP'YEV, M.N., kand. sel'khoz. nauk, otv. red.; BERGER, D.S.,
zam. otv. red.; SYSOYEV, Ye.P., kand. sel'khoz. nauk,
red.; SMIRNOV, P.D., red.; LALETINA, M.Ye., red.;
KHOROSHAVIN, A., tekhn. red.

[Efficient methods of cutting and reestablishing taiga
forests in the European part of the U.S.S.R.; collection
of reports of the Kirov Interprovincial Scientific
Technical Conference] Ratsional'nye priemy rubok i vos-
stanovleniia taezhnykh lesov evropeiskoi chasti SSSR;
sbornik rabot Kirovskoi mezhoblastnoi nauchno-tekhniche-
skoi konferentsii. Kirov, Kirovskoe obl. upr. nauchno-
tekhn. ob-va lesnoi promyshl. i lesnogo khoz., 1962. 136 p.
(MIRA 17:1)

1. Zaveduyushchiy laboratoriyey lesovodstva i lesovosstanov-
leniya Kirovskogo nauchno-issledovatel'skogo instituta lesnoy
promyshlennosti (for Prokop'yev). 2. Nachal'nik Otdela nauchno-
tekhnicheskoy informatsii Kirovskogo nauchno-issledovatel'skogo
instituta lesnoy promyshlennosti (for Berger).

BERGER, E
KOMOROWSKA, Alina, BERGER, Edward

Medical care of pregnancy in textile industry. Gin.polska 26 no.3:
281-292 July-Sept. '55.

1. Z Kliniki, Poloznictwa i Chorob Kobietych A.M. w Lodzi. Kierownik:
prof. dr J. Hieroszewski, i z Instytut Medycyny Pracy w Lodzi,
Kierownik: prof. dr. Emil Paluch, Alina Komorowska, Lodz, Pl.
Dabrowskiego 2.

(PRENATAL CARE,

in textile indust. in Poland)

(INDUSTRIAL HYGIENE

prenatal care in textile indust., in Poland)

CIHUJA, J.; BERGER, E.; HORAK, M.

Addison's syndrome in childhood. Cesk. pediat. 14 no.11:981-987
November 59.

1. Katedra detskeho lekarstvi fakultni nemocnice KUNZ v Hradci
Kralove, prednosta prof. dr. J. Blecha Detske oddeleni nemocnice ve
Vrchlabi, primar dr. E. Berger Centralni laboratore fakultni
nemocnice, prednosta dr. J. Jicha.

(ADDISON DISEASE, in inf. & child)

BERGER, Emil

Reduction of oxide films in 13 per cent chromium steel.
Slevarenstvi 10 no.5:190 My '62.

1. Sigma Olomouc, zavod Zelezarny, P. Bezruce.

PROCESSED AND INDEXED

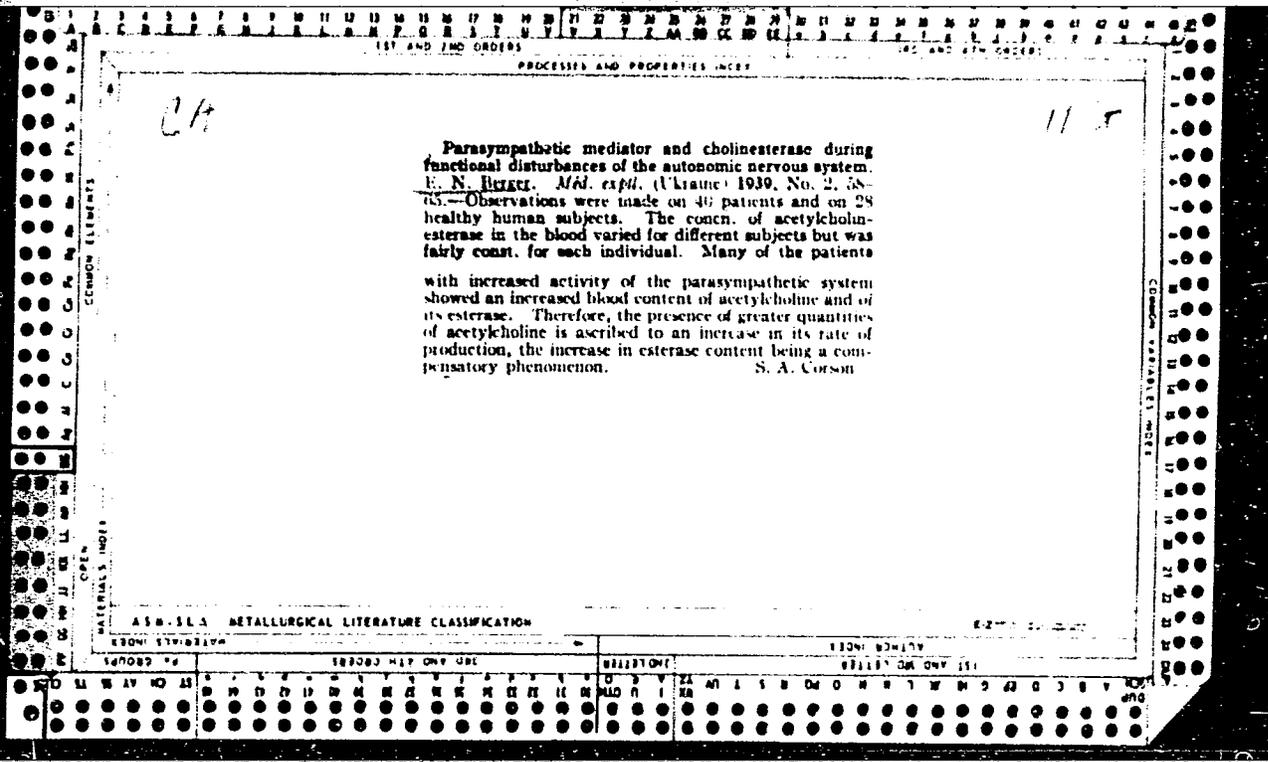
ca

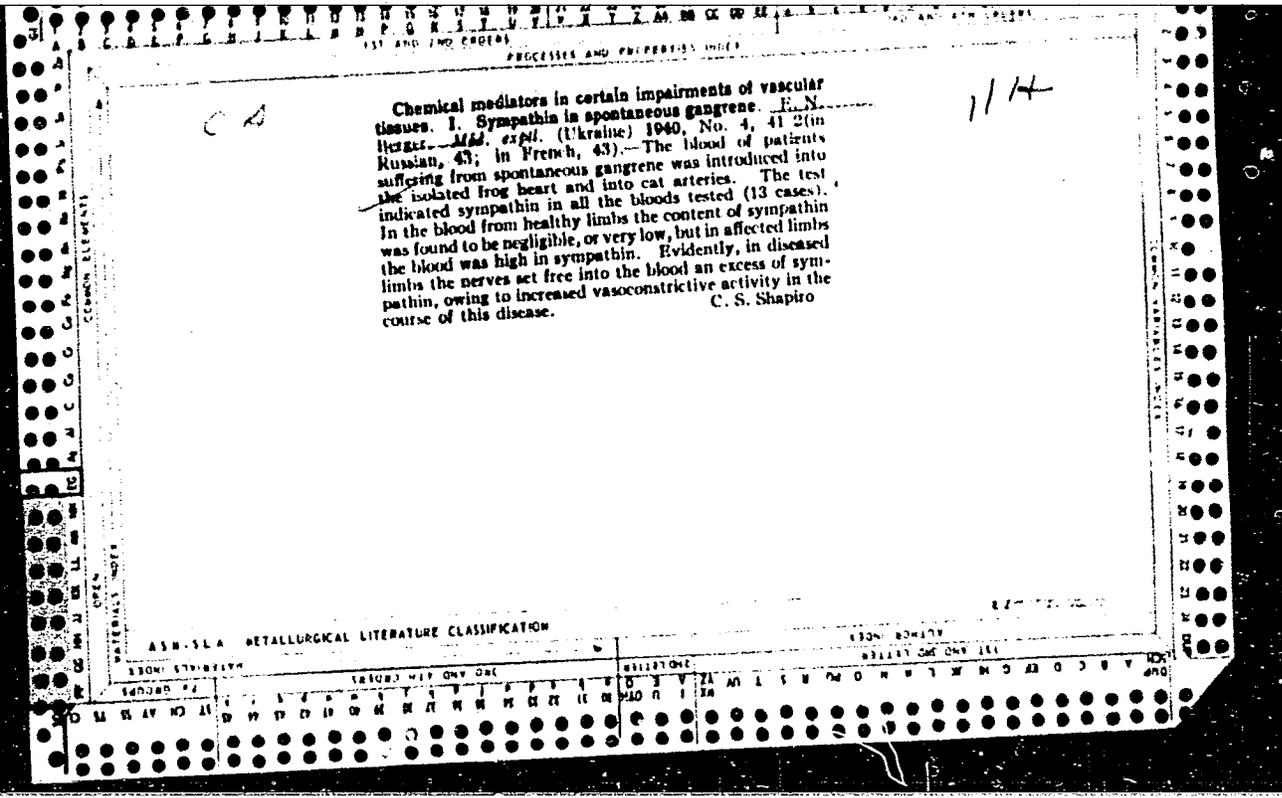
11F

Chemical factors of nerve stimulation in the eating reflex. E. N. Bergst., *Arch. sci. biol.* (U. S. S. R.) 51, 73-6(1938); *Chem. Zentr.* 1939, II, 670.—Expts. on angiotomized dogs are reported. In 0.8 min. after physiol. stimulation by the sight or odor of meat an acetylcholine-like substance could be detected in the blood by means of tests on isolated frog heart or on physostigminized leech muscle. Physostigmine slows up the destruction of this compd. W. A. Moore

ASB 154 METALLOGICAL LITERATURE CLASSIFICATION

ASB 154 METALLOGICAL LITERATURE CLASSIFICATION





BERGER, E. N.

42615. Vliyanie Gipofiza Na Chuvstvitel'nost' Organov K Atsetilkholinu. Byulleten' Eksperim. Biologii I Meditsiny, 1948, No. 12, S. 420-22.

30915. BERGER, E. N.

Vliyanne gipofiza na chuvstvitel'nost organov k atsetilkholinu. Trudy
Ukr. psikhonevrol. in-ta, T. XXV, 1949, s. 24-30.

LIBERMAN, D.L.; ESSI-EZING, A.G., red.; BERGER, E.N., red.

[Medical control of physical education; bibliographic index of Russian literature 1941-1954] Vrachebnyi kontrol' nad fizicheskoi kul'turoi; bibliograficheski ukazatel' otechestvennoy literatury 1941-1954 gg. Izd.2., ispr. i dop. Khar'kov, 1955. 92 p. (MIRA 13:9)

1. Kharkov. Gosudarstvennaya nauchno-meditsinskaya biblioteka.
(Physical education and training--Hygienic aspects)

BERGER, E.N.; MARKOVA, Ye.A.

Setting up an experiment during laboratory exercises in pathological physiology on the topic of anaemia. Pat. fiziol. i eksp. terap. 9 no.1:76-77 Ja-F '65. (MIRA 18:11)

1. Kafedra patologicheskoy fiziologii (zav. - dotsent E.N. Berger) Ternopol'skogo meditsinskogo instituta.

BERGER, E.N.

Reticuloendothelial system and cholinesterase of the blood
serum. Biul. eksp. biol. i med. 60 no.7:38-40 J1 '65.

(MIRA 18:8)

1. Kafedra patologicheskoy fiziologii (zav.- dotsent E.N. Berger)
Ternopol'skogo meditsinskogo instituta.

BERGER, P.;KOVAN, J.

Complex utilization of solid fuels, p. 101. *LOVA TECHNIKA. (Lada vedecnych technickych spolecnosti pri Ceskoslovenske akademii ved) Praha. Vol. 1, no. 6, June 1966.*

SOURCE: East European Acquisitions List, (EEL), Library of Congress Vol. 5, no. 12, December 1966.

STARR, C.; BERGER, F. [translator]

Organic moderated reactor nuclear power plants.
Jaderna energie 4 no.4:102-105 Ap '58.

BERGER, Frantisek

Second conference of Polish and Czechoslovak nuclear engineers.
Jaderna energie 4 no.8:237-238 Ag '58.

BERGER, F.; STACH, V.

"Intensification of the heat transfer in a gas-cooled nuclear reactor."

JADERNA ENERGIE. Praha, Czechoslovakia. Vol. 4, no. 9, Sept. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 6, Jun 59, Unclass

40066

Z/038/62/000/000/001/007
D407/0301

21,5230

AUTHORS: Berger, František, and Pelčík, Emil

TITLE: Experimental loops in the reactor of the Nuclear Research Institute, Czechoslovak Academy of Sciences in Rež

PERIODICAL: Jaderná energie, no. 8, 1962, 265-267

TEXT: This article is a reprint of the Czechoslovak report delivered at the First International Conference on Reactor Loops, held in July 1961 in Dubna, USSR. After a brief general description of experimental reactor loops, the article describes in detail the gas-cooled loop and some experimental equipment installed at the 'VVRs' (VVR-B) reactor of the ÚJV-ČSAV (Nuclear Research Institute, Czechoslovak A.S.) in Rež. This reactor is now equipped with a CO₂-cooled loop which is primarily used for reactor-fuel research. Its parameters are: fuel-element power 35 kW, CO₂ flow-rate 2,000 kg/hr, CO₂ pressure 45 atm, gas-temperature in the circuit 450°C. The loop consists of the channel reaching into the active reactor

Card 1/5

Experimental loops in the reactor ...

2/030/52/030/003/001/007
0407/0301

zone and the other equipment, such as filters, gas-gas and gas-water exchangers, compressors and blowers, installed in the reactor pumping station. The fuel element to be tested is located in the recirculating channel of the loop which has the form of a field tube, and is carefully shielded and protected against overheating. The loop operation is remotely controlled, and neutron flux and fuel-element dilatation can be measured during operation. Experiments are directed at determining the influence of an electric field on the heat transfer into the ionized gas, and testing of newly developed fuel elements. However, dimensions of the loop permit only testing of small elements or individual element parts. An inactive measuring loop, currently being built at the Nuclear Research Institute, will serve more intensive research on heat transfer and aerodynamics of gas-cooled fuel elements; a pressurized-water loop (35 atm/ 200°C, 5 m/sec flow rate) will aid metal-corrosion research; a sodium loop with natural circulation will serve liquid-metal tests; and an organic loop will further research on thermokinetic and hydrodynamic behavior of organic matters and the study of radiolysis, pyrolysis, and corrosive effects. There are 2 figures. (Technical Editor:

Card 2/5

Experimental loops in the reactor ...

Z/038/02/000/002/001/007
D407/D301

F. Klík).

ASSOCIATION:

Ústav jaderného výzkumu ČSAV (Nuclear Research
Institute, ČSAV)

Card 3/3

BERGER, Frantisek

"Elements of nuclear engineering" by G. Murphy. Reviewed by
Frantisek Berger. Jaderna energie 8 no.10:380 0 '62.

BERGER, Frantisek; CIHLAR, Antonin; PELCIK, Emil

First operation of the gas-cooled loop with uranium fuel element in the Nuclear Research Institute of the Czechoslovak Academy of Sciences. *Jaderna energie* 9 no.7:213-219 J1 '63.

1. Ustav jadernerho vyzkumu, Ceskoslovenska akademie ved, Rez u Prahy.

BERGER, Frantisek; CIHLAR, Antonin; PELCIK, Emil

Experience with the active operation of the reactor loop cooled with carbon dioxide. Jaderna energie 9 no.6:200
Je '63.

1. Ustav jaderného výzkumu, Československá akademie věd, Řez
u Prahy.

14(

SCV/98-59-6-12/20

AUTHOR: Berger, F.Ye., Engineer

TITLE: Working with Concrete Under Severe Climatic
Conditions

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 6,
pp 44-45 (USSR)

ABSTRACT: The author proposes a method which will permit the laying of concrete under the severe conditions of a Siberian winter. The concrete hydraulic structures to be built are divided into sections; in summer the concrete is laid in alternating sections: for instance 1-3-5- etc. In winter, the sections 2-4 are laid with the help of insulating shields. The completed sections also serve to a certain degree as shields. The author also describes different types of cranes and concrete-carrying trucks to be used in summer and winter. He stresses the necessity for Soviet industry to construct a highly maneuverable and mobile concrete-laying truck. There are 2 sets of diagrams.

Card 1/1

KIRILLOV, A.A., kand.tekhn.nauk; BERGER, F.Ye., inzh.; KORMILITSYN, R.R.,
inzh.; SINYAKOV, V.K., inzh.

Adhesion of freshly placed concrete to "old" concrete. Gidr.stroi.
32 no.7:28-29 JI '62. (MIRA 15:7)

(Concrete construction)

BERGER, G., kandidat tekhnicheskikh nauk.

Ways for improving the operation of Bupalov meal separators.
Muk.-elev.prom. 20 no.7:18-20 J1 '54. (MLRA 7:8)

1. Dnepropetrovskiy sel'skokhozyaystvennyy institut.
(Grain milling machinery)

BERGER, G.

Theory and operation of separating machines with new guides.
Muk.-elev.prom. 20 no.10:13-14 0 '54. (MLRA 7:12)

1. Dnepropetrovskiy sel'skokhozyaystvennyy institut.
(Seeds--Cleaning)

ALMASSY, Vilmos; BERGER, Gyorgy

How big is a fish and where is its intestine located? Elet tud
17 no.10:314 Mr '62.

POHOMAREV, V. D., BERGER, G. S.

Surface Chemistry

Effect of phase boundary curvature on the surface energy of solutions. Zhur. fiz. khim. 26 No. 3, '52.

9. Monthly List of Russian Accessions, Library of Congress, September 1952 ~~1953~~, Uncl.

BERGER, G. S.

14886* (Effect of Fine Slimes on Flotation of Karaganda
Coal Fines.) O slianii tonkikh shlamov na flotatsii Kar-
agandinskoi karsennougol'noi melochi. G. S. Berger. Ugol,
1934, no. 6, June, p. 29-30.
Kerosene as flotation agent. Tables. 3 ref.

BERGER, G. S.

BERGER, G. S. --"Development of a Method of Analyzing and Controlling the Process of Flotation in a Coal-Dressing Plant." Min Coal Industry USSR. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

So.: Knizhnaya Litopis', No. 7., 1956.

BERGER, G.S., inzh.

Automatic indicator valve of a barometric seal. TSvet.net. 28
no.3:66 My-Je '55. (MIRA 10:11)

1. Karagandinskaya Tsentral'naya obogatitel'naya fabrika.
(Valves) (Filters and filtration)

BERGER, G.S., inzhener

Reducing power consumption for coke in coal flotation. Ugol' 30
no.10:31-34 0'55. (MIRA 8:12)

1. Karagandinskaya Tsentral'naya obogotitel'naya fabrika
(Karaganda Basin--Coal preparation)

KLASSEN, V.I.; BERGER, G.S.; NOGILEVSKIY, I.A.

Method of increasing the precision of laboratory flotation tests.
TSvet.met. 29 no.9:79-80 S '56. (MLBA 9:10)
(Flotation)

AUTHORS: Berger, G.S., Cand.Tech.Sc., Mogilevskiy, I.A., Ing.¹⁵⁵
(KNIUI) and Koybash, V.A., Cand.Tech.Sc. (DII).

TITLE: On increasing the output of flotation machines on coal
washeries. (O povyshenii proizvoditel'nosti
flotatsionnykh mashin na ugleobogatitel'nykh fabrikakh).

PERIODICAL: "Koks i Khimiya" (Coke and Chemistry), 1957, No.3,
pp.11-16 (U.S.S.R.)

ABSTRACT: The efficiency of operation of multi-cell flotation
machines for coal is discussed. A large yield of
concentrate during flotation of coals causes a sharp
decrease in the volume of pulp moving along a multi-
cell flotation machine which leads to an increase in the
time of flotation in the tail cells. In order to obtain
the same flotation time in all cells, it is necessary to
decrease the volume of tail cells (eq.6). This, however,
will not correspond to optimum flotation conditions,
as a longer time is required for the treatment of grains
in tailings which are difficult to float. At the same
time, the duration of flotation in the tail cells of an
industrial flotation machine with cells of equal volume
is too long. The experimental data obtained on a
laboratory flotation machine with variable volume of the
cell, indicated that optimum conditions are somewhere
between the above two sets of extreme values. Methods of
increasing the output of flotation machines discussed in

On increasing the output of flotation machines on coal
washeries. (Cont.) 156

the paper possess one common feature - a decrease of the flotation time in tail cells. The most promising method appears to be an additional supply of tail cells with the starting pulp and the organisation of flotation according to scheme shown in Fig.4. It is stated in the editorial remarks that in view of the propositions made by the authors further discussion on the subject is invited. There are 4 tables, 4 diagrams and 8 Russian references.

BERGER, G.S.

AUTHOR: Berger, G.S. (Alma-Ata)

76-11-28/35

TITLE: A Graphoanalytic Method for the Determination of the Order of an Irreversible Reaction for Equivalent Quantities of Reacting Substances (Grafoanaliticheskiy metod nakhozheniya poryadka neobratimoy reaktsii dlya ekvivalentnykh kolichestv reagiruyushchikh veshchestv)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1957, Vol. 31, Nr 11, pp 2571-2574 (USSR)

ABSTRACT: It is shown that the methods at present available for the determination of the order of the velocity of irreversible reactions for equivalent quantities of reacting substances do not make it possible, basing upon the data obtained by an experiment, to compute the values for the order of velocity with sufficient accuracy. Here a grapho-analytical method for such a computation is suggested. It is based upon the experimental data on the modification of the concentration of reacting substances in an experiment, and is illustrated by means of three examples of computation. There is 1 figure and 1 table.

Card 1/2

76-11-28/35

A Graphoanalytic Method for the Determination of the Order of an Irreversible
Reaction for Equivalent Quantities of Reacting Substances

ASSOCIATION: Karaganda Institute for Coal (Karagandinskiy ugol'nyy institut)

SUBMITTED: June 25, 1956

AVAILABLE: Library of Congress

Card 2/2

BERGER, Gennadiy Semenovich; ROMANOVA, L.A., otv.red.; GALANOVA, V.V.,
tekhn.red.; PROZDROVSKAYA, V.L., tekhn.red.

[Graphic method for computing preparation processes of coal and
other mineral resources] Graficheskie raschety protsessov oboga-
shchenia uгля i drugikh poleznykh iskopaemykh. Moskva, Ugle-
tekhizdat, 1959. 50 p. (MIRA 12:4)
(Coal preparation) (Ore dressing)

KLASSEN, Villi Ivanovich, prof., doktor tekhn.nauk; ZHENDRINSKIY,
Andrey Pavlovich; BERGER, Gennadiy Semenovich; ROMANOVA, L.A..
red.izd-va; SABITOV, A., tekhn.red.

[Using pneumatic machines for the flotation of coal] Opyt
primeneniia flotatsionnykh mashin pnevmaticheskogo tipa dlia
flotatsii uglei. Pod obshchei red. V.I.Klassena. Moskva,
Ugletekhizdat, 1959. 60 p. (MIRA 12:4)
(Flotation--Equipment and supplies) (Coal--Preparation)